503031207 10/23/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3077807

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SONY CORPORATION	10/06/2014

RECEIVING PARTY DATA

Name:	IDEMITSU KOSAN COMPANY, LIMITED	
Street Address:	1-1, MARUNOUCHI 3-CHOME, CHIYODA-KU	
City:	TOKYO	
State/Country:	JAPAN	
Postal Code:	100-8321	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14091044

CORRESPONDENCE DATA

Fax Number: (703)413-2220

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Email: khudson@oblon.com

Correspondent Name: OBLON, SPIVAK, ET AL.

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ATTORNEY DOCKET NUMBER:	425219US8XCONT	
NAME OF SUBMITTER:	KAREN L. HUDSON	
SIGNATURE:	/Karen L. Hudson/	
DATE SIGNED:	10/23/2014	

Total Attachments: 2

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PATENT 503031207 REEL: 034036 FRAME: 0858

ASSIGNMENT

WHEREAS, Sony Corporation having a place of business at 7-1, Konan 1-chome, Minato-ku, Tokyo 108-0075, Japan, a corporation organized and existing under the laws of the Country of Japan, is a joint owner with Idemitsu Kosan Company, Limited, by assignment, of the application for letters patent of the United States of America Application No. 14/091,044, filed November 26, 2013; and

WHEREAS, Identitsu Kosan Company, Limited having a place of business at 1-1, Marunouchi 3-chome, Chiyoda-ku, Tokyo 100-8321, Japan, a corporation organized and existing under the laws of the Country of Japan (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and to said application for letters patent and the invention described therein;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00) and other valuable consideration, the receipt of which is hereby acknowledged, Sony Corporation by these presents do sell, assign, and transfer unto said ASSIGNEE the entire right, title and interest for the territory of the United States of America in and to the aforesaid application for letters patent and the invention described therein and in and to any and all Letters Patent which may be granted therefor and in and to any and all divisions, continuations, substitutions and renewals thereof.

Sony Corporation hereby authorizes and requests the Patent Office Officials in the United States and its territorial possessions to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of the entire right, title and interest in

PATENT REEL: 034036 FRAME: 0859 and to the same, for the sole use and behoof of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted.

IN TESTIMONY WHEREOF, Sony Corporation, has caused these presents to be signed by its officer hereunto duly authorized.

SONY CORPORATION

Date: October 6,2014

Name: Fumihiko Moriya

Title: VP

Senior General Manager Intellectual Property Division—

> PATENT REEL: 034036 FRAME: 0860

RECORDED: 10/23/2014